

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-6 (Cancelled):

Claim 7 (Currently Amended): A color moving-image holographic reproducing device comprising:

(a) a computer configured to create a computer-generated hologram from three-dimensional coordinate data of a three-dimensional object which is externally obtained;

(b) a reflective liquid crystal display connected to the computer and configured to display the-computer-generated hologram;

(c) a half mirror configured to project the displayed computer-generated hologram;

(d) three light-emitting diodes of primary colors red (R), green (G), and blue (B) (LEDs) functioning as reference light source; and

(e) the LEDs arranged on a two dimensional grid pattern and respectively emitting primary colors of light, red (R), green (G), and blue (B), at the same time, ~~with one of the diodes being offset from a line connecting the other two remaining diodes and said diodes configured to emit light out of a plane formed by the grid pattern and toward the half mirror~~ wherein a first LED of the R, G and B LEDs is disposed in the vicinity of a second LED in the horizontal direction and a third LED is disposed in the vicinity of the second LED in the vertical direction orthogonal to the horizontal direction;

wherein optical axes of color light beams from the LEDs are shifted from each other, the light beams are projected to the half mirror and onto the reflective liquid crystal display ~~to be incident at respective different angles,~~ and a color holographic image is formed from the computer-generated hologram.

Claim 8 (Original): The color moving-image holographic reproducing device according to Claim 7, wherein the R, G, and B LEDs are arranged in proximity to each other.

Claim 9 (Cancelled):

Claim 10 (Currently Amended): The color moving-image holographic reproducing device according to Claim [[9]] 7, wherein each of the R, G, and B LEDs has a pinhole filter and emits light to a collimator lens to generate parallel light, and the half mirror is illuminated with the parallel light.

Claim 11 (Currently Amended): The color moving-image holographic reproducing device according to Claim 10, wherein the size of a color reconstruction area is determined in accordance with a distance d_1 of the second LED to the first LED and the third LED ~~between the LEDs~~, a distance d_2 between the pinhole filter and the collimator lens, and a distance d_3 between the reflective liquid crystal display and a field lens that produces a reconstructed image.

12 (New) The color moving-image holographic reproducing device according to Claim 7, further comprising:

a dedicated high-speed parallel distributed processing system including a plurality of dedicated Large Scale Integrator LSIs between the computer and the reflective liquid crystal display.

13 (New) The color moving-image holographic reproducing device according to Claim 12, wherein:

the dedicated high-speed parallel distributed processing system further comprises a shared memory for storing coordinates of an object, and

the plurality of dedicated LSI's are configured in parallel.